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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

NONCONFORMANCE REPORT

Project No. 20-5708-573

NCR No. 96-03

PART 1: DESCRIPTION OF NONCONFORMANCE

The Omega Microprocessor Thermometer model HH22, serial number T-94140, was found out of tolerance at temperatures below -300 degrees F when recalibrated.

Initiated by: R. D. Brient *RSB*

Date: 3/27/96

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition: Accept test results that used this instrument as-is.

Basis of Disposition: The instrument has not and will never be used at the low temperatures where the out of tolerance was identified. All high-level waste related materials investigations will be conducted at room temperature and above.

Action to correct nonconformance: Instrument was limited in its calibration to -260 degrees F and above. see attached out of tolerance notice.

Proposed by: Darrell Dunn *DD*

Target date for completion: 3/27/96

Date: 3/27/96

PART 3: APPROVAL

Element Manager: *Peter Lichtner for N.S.* Date: 3/27/96

Director of QA: *Deanne Malin* Date: 3/27/96

Comments/Instructions:

PART 4: CLOSE OUT

Comments: N/A BSW 3/27/96

Distribution: EMS
B. Sagan
H. Garcia
R. Brient
P. Lichtner
D. Dunn

Verified by: N/A

Date: 3/27/96

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SOUTHWEST RESEARCH INSTITUTE
Department of Quality Assurance
Calibration Laboratory

OUT OF TOLERANCE NOTICE

03/26/96

The following asset **was** found to be out of tolerance when submitted for calibration. Please be aware measurements made with this may be inaccurate.

INSIRUMENT INFORMATION

Issued to: **DARRELL DUNN** DIV20 B57 Asset Number: 001997
Manufacturer: OMEGA Model Number: HH22
Nomenclature: MICROPROCESSOR THERMOMETER
Serial Number: T-94140 SwRI Capital Number: NONE
Accuracy: +/- 0.1% of Reading + 1 Deg.F Calibration Interval: 6 months

DEVIATION

Out of Tolerance Date: 02/12/96 Last Valid Calibration Date: 08/24/95

REMARKS

Received instrument for calibration out of tolerance. Instrument under test **was** compared to the Calibration standard with the following measurements recorded. Adjustment of the instrument was attempted but all values within the specified ranges could not be achieved. Limited calibration was given for valid ranges.

| STANDARD | INSIRUMENT UNDER TEST | |
|------------|-----------------------|-----------------------------|
| | (FUNCTION) | |
| | AS FOUND | AS RELEASED |
| | (CH T1 TYPE J T/C) | |
| -340 DEG.F | -343.6 | -341.4 |
| -300 DEG.F | -303.2 | -301.2 |
| -200 DEG.C | -201.2 | -200.5 |
| | (CH T2 TYPE K T/C) | |
| -325 DEG.F | -323.3 | (LIMITED CAL TO -260 DEG.F) |

Signed 
OUT OF TOLERANCE
Checked by 